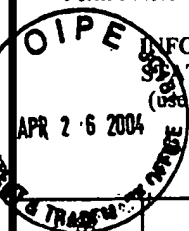


Form 1449/PTO		Complete if Known	
		Application Number	10/676,852
		Filing Date	September 29, 2003
		First Named Inventor	G.A. Spear et al.
		Art Unit	2186 2189
		Examiner Name	Not Yet Assigned Kravets
1 of 2		Attorney Docket Number	TUC920030108US1

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number- Kind Code (if known)			
LH		US-5657440	08-12-1997	Micka et al.	
LH		US-5720029	02-17-1998	Kern et al.	
LH		US-6105078	08-15-2000	Crockett et al.	
LH		US-6148383	11-14-2000	Micka et al.	
LH		US-6157991	12-05-2000	Amon	
LH		US-6446176 B1	09-03-2002	West et al.	
LH		US-6502205 B1	12-31-2002	Yanai et al.	
LH		US-2002/0194015 A1	12-19-2002	Gordon et al.	
LH		US-5577222	11-19-1996	Micka et al.	
LH		US-5615329	03-25-1997	Micka et al.	
LH		US-5504861	04-02-1996	Jaworski et al.	
LH		US-5734818	03-31-1998	McBride et al.	

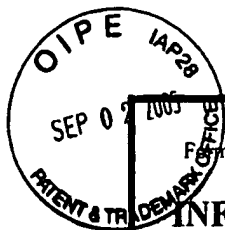
FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code- Number- Kind Code				
LB		JP2001209565A	08-01-2001	Hitachi LTD	Abstract	N
LK		JP2002334002A	11-22-2002	Motoyama Atsushi	Abstract	N
LB		WO03028321A1	04-03-2003	Franz-Josef Goetz, et al.	Abstract	N

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
LH		U.S. Patent application entitled "Method, System, and Program for Asynchronous Copy", serial number 10/675,317, filed September 29, 2003, by inventors R.F. Bartai et al.	
LH		U.S. Patent application entitled "Autonomic Infrastructure Enablement for Point in Time Copy Consistency Groups", serial number 10/674,900, filed September 29, 2003, by inventors R.F. Bartai et al.	
LH		A. Z. Spector et al., "Performing Remote Operations Efficiently on a Local Computer Network", ACM, 1982, pp 246-260	
LH		IBM Corp., "Integration of Persistent Memory Data into Real-Time Asynchronous Direct Access Storage Device Remote Copy", Technical Disclosure Bulletin, Vol. 39, No. 10, October 1996, pp 187-189	
LF		IBM Corp., "Automatic TV Picture Pop-Up Based on Closed Caption Keyword Match", Research Disclosure document 455173, March 2002, p 532	

<p>Form 1449/PTO APR 26 2004</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)</p>				Complete if Known	
				Application Number	10/676,852
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				Art Unit	2186 2189
Examiner Name	Not Yet Assigned Kravets				
Page	2	of	2	Attorney Docket Number	TUC920030108US1

LH	A. Bhide, "Experiences with Two High Availability Designs", IEEE, Second Workshop on the Management of Replicated Data (Cat. No. 92th0489-5), Nov 1992, abstract	
LH	J.M. Helary, "Computing Global Functions in Asynchronous Distributed Systems Prone to Crashes", Proceedings 20 th IEEE International Conference on Distributed Computing Systems, 2000, abstract	
LH	G. Castets, et al., "IBM TotalStorage Enterprise Storage Server PPRC Extended Distance", IBM Corp. International Technical Support Organization, Document No. SG24-6568-00, June 2002	

Examiner Signature	<i>L Kravets</i>	Date Considered	10/20/05
<p>EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.</p>			



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		Application Number	10/676,852		
		Filing Date	September 29, 2003		
		First Named Inventor	G.A. Spear et al.		
		Art Unit	2188 2189		
		Examiner Name	Mano Padmanabhan <i>Gravets</i>		
Page	1	of	1	Attorney Docket Number	TUC920030108US1

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number- Kind Code (if known)			
<i>LH</i>		US-2003/050930 A1	03-13-2003	Mosher et al.	
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code- Number- Kind Code				
<i>LH</i>		EP 0674263B1	03-02-1995	IBM Corporation		
<i>LH</i>		WO 0116748A	03-08-2001	EMC Corporation		
<i>LH</i>		EP 1150210 A2	10-31-2001	Hitachi, Ltd.		
		EP 1217523A1	06-26-2002	Hitachi, Ltd.		

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published		T
LH		PCT Search Report, PCT/EP2004/051850, filed 8-19-2004		
LH		PCT Written Opinion, PCT/EP2004/051850, filed 8-19-2004		
LH		Reply to Written Opinion dated July 28, 2005, PCT/EP2004/051850, filed 8-19-2004		

Examiner Signature	<i>L Gravets</i>	Date Considered	10/20/05
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